Fig.1

Genetic map of Rf marker (Fig.1)

Marker name

Genetic distance(cM)

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Fig.2

SEQ ID NO.1: 8553bp

CHI lambda clone fragment: about 17kb
Cloning fragment of CHI/pBIGRZ2

Cloning fragment of cds6BT/pKM424

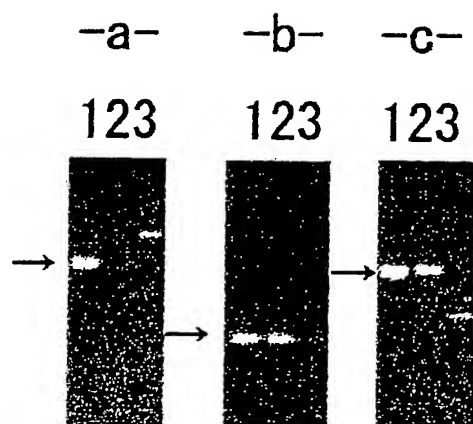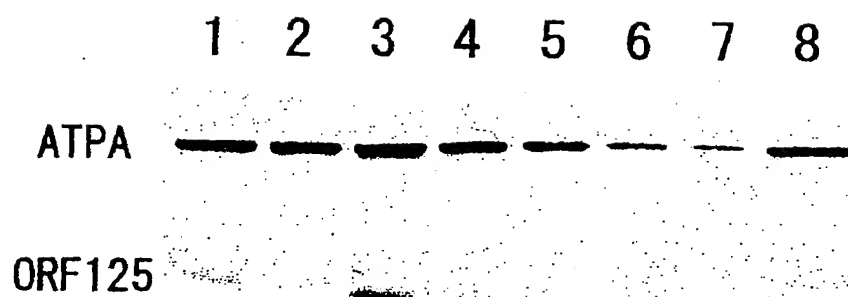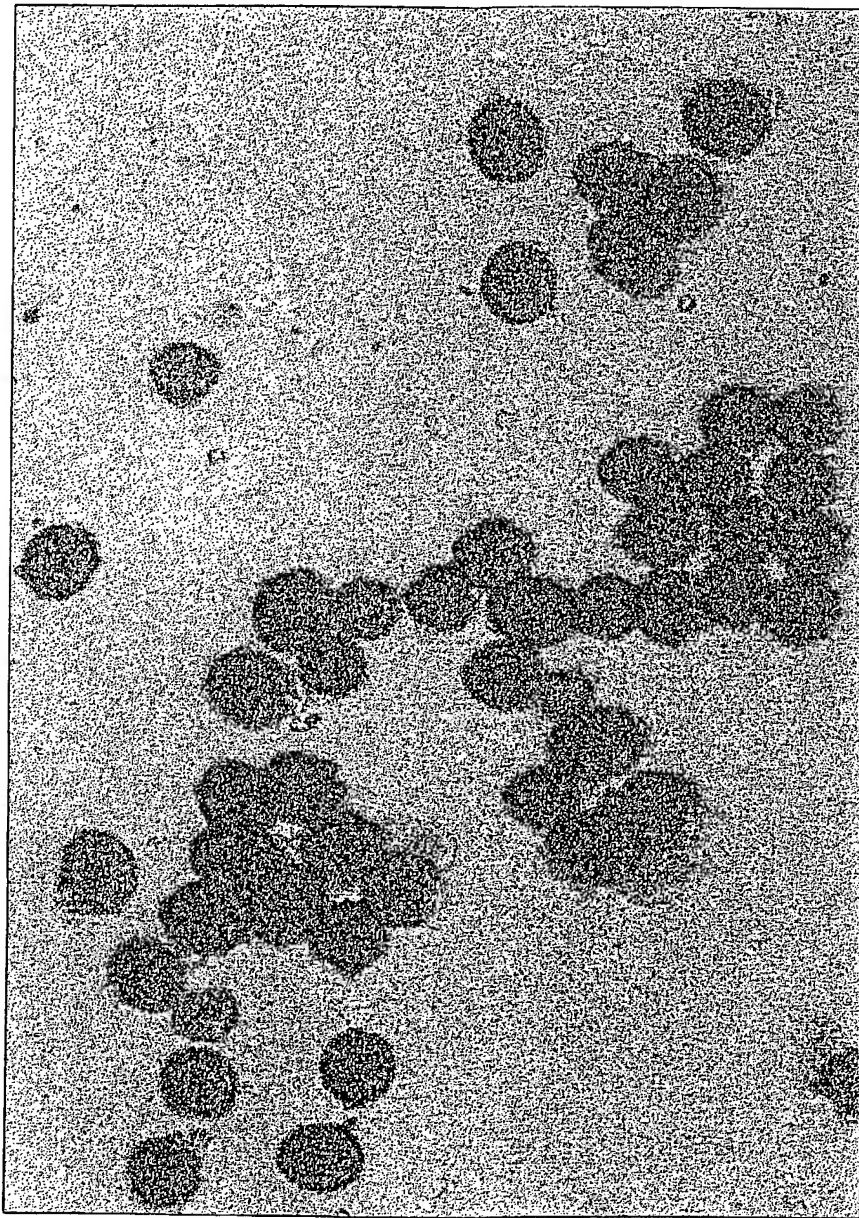Region which was presumed to be integrated into transformed rapeseed

8553bp:HpaI

a site   bsite c site

1bp:SwaI

BamHI

Fig.3

Fig.4

Fig.5

Fig.6


```
pSTV125-5' #LA12.nuc   1:GGATCCCAATTTCATTCATTCTGCATCACTCTCCCTGTCGTTATGGCGACCTCGCAAGGTTTTTG  60
pSTV125-5' #LA6.nuc    1:GGATCCCAATTTCATTCATTCTGCATCACTCTCCCTGTCGTTATGGCGACCTCG-CAAGGTTTTTG  59
                         **********************************************  *     ********

pSTV125-5' #LA12.nuc  61:AAACGGGCCGAAACGGGAAGTGACAATACCGCTTTTCTTGAGCATATAAATCATGATTAC-  119
pSTV125-5' #LA6.nuc   60:AAACGGGCCGAAACGGGAAGTGACAATACCGCTTTTCTTCAGCATATAAATGCATGATTAC  119
                         *************************************** **********  *

pSTV125-5' #LA12.nuc 120:CTTTTTTCGAAAAATTGTCCACTTTTTTGTCATAATCCTCACTTCCTACTGAATGTAAAGT  179
pSTV125-5' #LA6.nuc  120:CTTTT-TCGAAAAATTGTCCACTTTTTTGTCATAATCCTCACTCCTACTGAAATTAA-A-GT  176
                         *****  ****************************************  * * **

pSTV125-5' #LA12.nuc 180:TAGTGAATTC  189
pSTV125-5' #LA6.nuc  177:TAGTGAATTC  186
                         **********
```

(kbp)

19.3 →
7.7 →

2.7 →

1.9 →
1.5 →
0.9 →

Rf radsih
SW18
Westar
#34
#32
#33
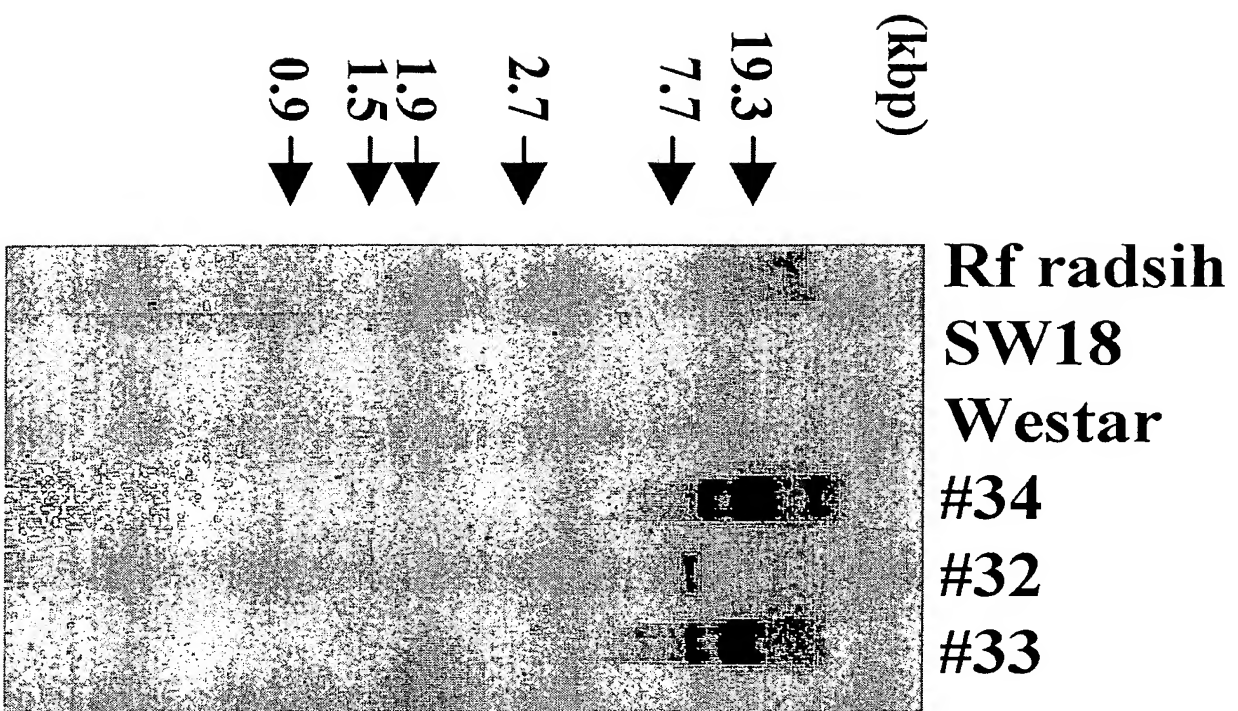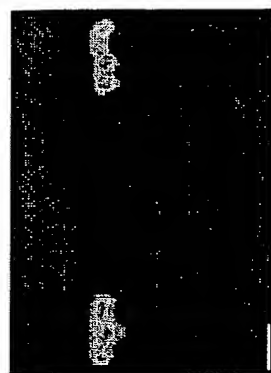
Figure. 7

Rf Radish
SW18
Westar
#32

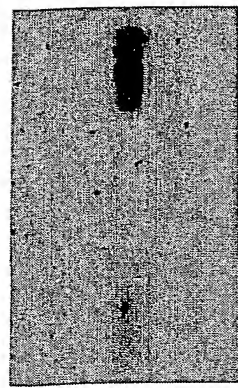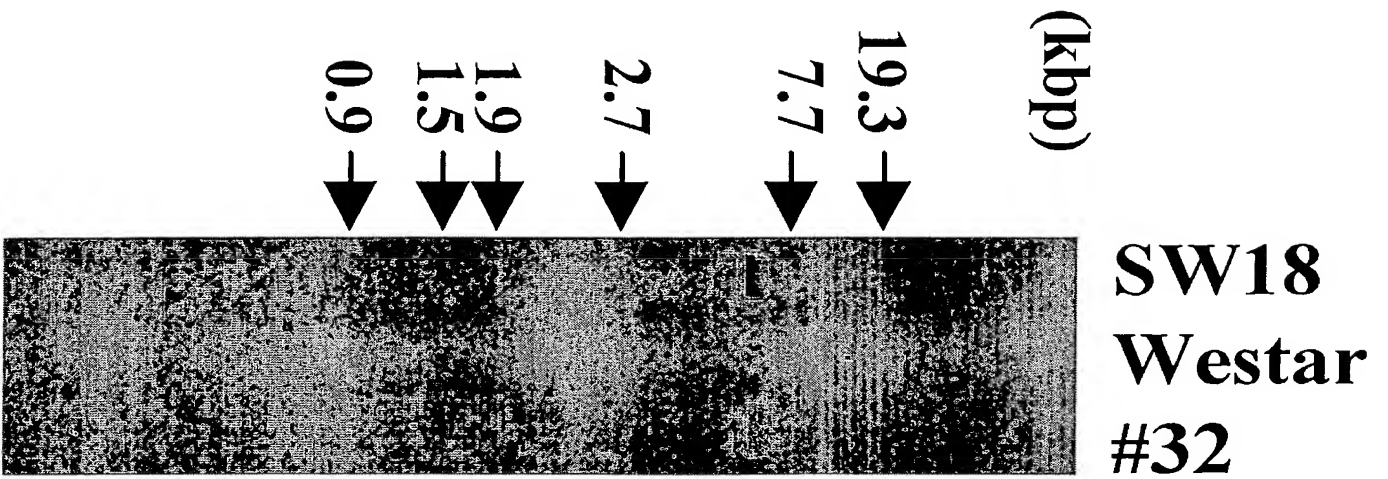← 2.0 kbp

Figure. 8

SW18
Westar
#32

← 17 kDa

Figure. 9

Figure. 10

#32 T2 lines

Figure 11